

How are educational outcomes affected by different factors in New York State?

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We are presenting our information to an educational advocacy group whose aim is to ensure that the school districts of New York State are receiving equal education. We analyzed the graduation rate on a district level and gathered other relevant information to compare against such as but not limited to the amount of students enrolled, the percentage of those students that are a minority, the median income for that district, the funding for that district per student, is the district federally funded and the dropout rate for that district.

From analyzing the data we hope to answer the following questions -

1. Which districts have the most funding per student and what differentiates them from the other districts? Is there a difference in graduation rate for these districts compared to the ones that don't receive as much funding?
2. What is the percentage of districts that get federal funding vs ones that do not? How do the districts that received federal funding compare to the ones that didn't?
3. What kind of correlation is there between the graduation rate and the other factors we've acquired?
4. Is there a discrepancy between the graduation rate and the percentage of minority students in a district?
5. Can we predict the graduation rate for a district based on the data and which factor has the most effect on the graduation rate for a school district?

Data is examined for each district using the datasets below and what data they provided -

- [NYSED.gov](https://www.nysed.gov) - Student Body Data
- [Openbudget.NY.gov](https://openbudget.ny.gov) - Funding Data for Each District
- [Census Data](https://www.census.gov) - Median Income for Each District
- [NYC Districts](https://www.nyc.gov) - NYC Districts Funding